

PROSENJIT DAS

ECE Discipline
Khulna University, Bangladesh
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Education

2023–present **Bachelor of Science, Electronics and Communication Engineering, Khulna University**,
Khulna-9208, Bangladesh.
Average CGPA- 3.82/4

Research Interests

- Machine Learning
- Deep Learning
- Explainable AI (XAI)
- Vision Transformer
- Large Language Model

Publications

Journal Articles

- 2025 **Prosenjit Das**, Proshenjit Sarker, Jun-Jiat Tiang, and Abdullah-Al Nahid. Dengue fever classification integrating bird swarm algorithm with gradient boosting classifier along with feature selection and shap-dice based interpretability. *Applied Sciences*, volume 15, page 11413. MDPI, 2025.
- 2025 **Prosenjit Das**, Proshenjit Sarker, Jun-Jiat Tiang, and Abdullah-Al Nahid. Breast cancer prediction using rotation forest algorithm along with finding the influential causes. *Bioengineering*, volume 12, page 1020. MDPI, 2025.
- 2025 SM Naim, **Prosenjit Das**, Jun-Jiat Tiang, and Abdullah-Al Nahid. Aquaculture water quality classification using xgboost classifier model optimized by the honey badger algorithm with shap and dice-based explanations. *Water*, volume 17, page 2993. MDPI, 2025.

Preprints

- 2025 Antu Kumar Guha, **Prosenjit Das**, Amit Bala, Sabah Ummie, Muhammad Enayetur Rahman, Md Nurul Absar Siddiky, and Muhammad Rezaur Rahman. Generative ai for research: Paradigms, tasks, evaluation, and best practices. Preprints, 2025.
- 2025 Tonmoy Debnath, Md Nurul Absar Siddiky, Muhammad Enayetur Rahman, **Prosenjit Das**, and Antu Kumar Guha. A comprehensive survey of prompt engineering techniques in large language models. *TechRxiv*, 2025.

Skills

- Programming Languages Python, C, C++, MATLAB
- AI/ML Machine Learning

Office & Microsoft Word, PowerPoint, Excel
Productivity

Writing LaTeX
Tools:

Achievements & Awards

- **1st Runners-Up — ML Blitz Competition**

Organized by IEEE KU Branch. Achieved a top position in our first participation, showcasing strong expertise in machine learning. Demonstrated effective teamwork, problem-solving, and model optimization throughout the competition.

- **University Merit Scholarship, Khulna University, 2025**

Received for achieving GPA: 3.88 / 4.00 (Top 3 in the Discipline)

Position of Responsibility

2023-Present **Representative, ROUTER Club ECE Discipline**, Khulna University.

Languages

- English
- Bengali